

May 10, 2004

Ms. Pamela B. Katz
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. 272 - Middletown-Norwalk 345kV Transmission Line

Dear Ms. Katz:

This letter provides the response to requests for the information listed below.

This filing completes all the requested information for the MILFORD-01 set of interrogatories.

Response to MILFORD-01 Interrogatories dated 04/12/2004
MILFORD - 002

Very truly yours,

Anne B. Bartosewicz
Project Director - Transmission Business

xxx/XXX
cc: Service List

Witness: Dr. Bailey
Request from: Town of Milford

Question:

For each of the following nine (9) properties, each located in the Town, please provide the measured and calculated electric and magnetic fields at the boundary or location of each residential structure closest to the proposed 345 kV transmission line. Please provide this information in the same format as provided in the "Updated Table A-1 for the Electric and Magnetic Field Assessment: Middletown-Norwalk Transmission Reinforcement report" dated March 12, 2004 and submitted to the Council on March 15, 2004.

- a. Reference Segment 42 of Volume 9 of the Application. Map 115, Block 802, Lot 6 of the Milford Tax Assessor's Map.
- b. Reference Segment 42 of Volume 9 of the Application. Map 115, Block 801, Lot 53 of the Milford Tax Assessor's Map.
- c. Reference Segment 44 of Volume 9 of the Application. Map 85, Block 925, Lot 9082 of the Milford Tax Assessor's Map.
- d. Reference Segment 44 of Volume 9 of the Application. Map 85, Block 925, Lot 9006 of the Milford Tax Assessor's Map.
- e. Reference Segment 44 of Volume 9 of the Application. Map 74, Block 925, Lot 5F of the Milford Tax Assessor's Map.
- f. Reference Segment 44 of Volume 9 of the Application. Map 85, Block 925, Lot 4A of the Milford Tax Assessor's Map.
- g. Reference Segment 44 of Volume 9 of the Application. Map 74, Block 928, Lot 16Q of the Milford Tax Assessor's Map.
- h. Reference Segment 45 of Volume 9 of the Application. Map 73, Block 928, Lot 16F of the Milford Tax Assessor's Map.
- i. Reference Segment 45 of Volume 9 of the Application. Map 62, Block 928, Lot 80 of the Milford Tax Assessor's Map.

Response:

As discussed with counsel for the City of Milford, the Companies measured and calculated electric and magnetic fields at five locations where the overhead right of way intersects with the following town roads where access to private property was not required: Haystack Road, Oronoque Road, Woodruff Road, Lexington Way, and West

River Street. The information provided to the City of Milford is attached.



Milford data request 02 Filed1 .pdf

Measured and Calculated Electric and Magnetic Fields at Residences in Milford, CT Adjacent to the Proposed Route

Location	Cross Section	Aerial Segment	Measurements of Fields from Existing Transmission Lines & Other Sources at Edge of ROW			Calculated Fields from Existing & Proposed Transmission Lines (Transmission Line Sources Only)					
			Distance to Residence ⁺ (ft) ROW	Electric Field (kV/m)	Magnetic Field (mG)	Existing		Proposed			
						Electric Field (kV/m)	Magnetic Field (mG)		Electric Field (kV/m)	Magnetic Field (mG)	
						Average* Load	Peak** Load			Average Load*	Peak Load
Haystack Road^β	8	45	65 E/S	0.000	1.1	0.07	0.6	2.5	0.06	4.2	12.4
Milford											
Oronoque Road	8	44	70 E/S	0.026	1.2	0.06	0.5	2.3	0.05	3.9	11.7
Milford			90 W/N	0.640	6.4	0.09	0.2	4.2	0.24	3.8	13.2
Woodruff Road	8	42	35 E/S	0.150	10.5	0.18	1.2	4.9	0.09	6.3	18.1
Milford			25 W/N	0.032	2.2	0.05	0.8	15.0	0.82	9.9	34.1
Lexington Way	8	44	312 E/S	0.133	8.3	0.01	0.0	0.3	0.01	0.6	2.1
Milford			17 W/N	0.005	0.8	0.13	1.0	18.3	0.98	11.4	39.5
West River Street	8	43	90 E/S	0.064	6.1	0.04	0.4	1.7	0.04	3.1	9.4
Milford				0.016	0.6	- na -	- na -	- na -	- na -	- na -	- na -

+ Distances are best estimates based upon measurements (where possible) or distances scaled from aerial photographs.
 * 15 GW Load Case (typical system loading in 2007)
 ** 27 GW Load Case (hour with the highest system loading in 2007)
 β No access to private property measurement at 135 ft from E/S ROW
 - na - not applicable
 E/S South/East edge of ROW
 W/N North/West edge of ROW









